ABSTRACT OF THE DISCLOSURE

There are disclosed a catalyst and a process for production of acrylic acid using this catalyst, wherein, even under conditions where hot spots are formed, the catalyst is excellent in activity, selectivity, and catalyst life time and displays stable

5   performances for a long time.　The catalyst is shown by the following formula (1):

$$Mo_aV_bW_cCu_dA_eB_fC_gO_x \qquad (1)$$

(wherein: A is at least one species selected from among cobalt, nickel, iron, lead, and bismuth; B is at least one species selected from among antimony, niobium, and tin; and C is at least one species selected from among silicon, aluminum, titanium, and

10   zirconium; and further, a, b, c, d, e, f, g, and x are atomic ratios of Mo, V, W, Cu, A, B, C, and O respectively; and, in the case of a = 12, the following inequalities are satisfied: $2 \leqq b \leqq 15$; $0 < c \leqq 10$; $0 < d \leqq 6$; $0 < e \leqq 30$; $0 \leqq f \leqq 6$; and $0 \leqq g \leqq 60$; and x is a numerical value as determined by the oxidation state of each element);

wherein a supply source of a component A for preparing the catalyst is a composite

15   of the component A and at least one species selected from among Mo, V, and Cu.